



Urban District Council  
of Whitefield.

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**ANNUAL REPORT**

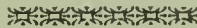
ON THE WORK OF THE  
**Public Health Services,**  
**1938.**

WILLIAM P. FERGUSON, M.C., M.A., B.Sc., M.D.

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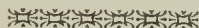
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# Urban District Council of Whitefield.

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## HEALTH COMMITTEE

1938-1939.

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Councillor D. W. McCLUNE (*Chairman*)

„ J. BRADSHAW.

„ N. COLECLOUGH.

„ H. C. DEPLEDGE.

„ C. FARRAND.

„ W. E. FAULKNER, J.P.

„ R. HALL.

„ F. HEATON.

„ J. W. JONES.

„ H. LANGAN.

„ H. LONGWORTH.

„ P. WHITTLE.

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### PUBLIC HEALTH DEPARTMENT STAFF :

WILLIAM P. FERGUSON, M.C., M.A., B.Sc., M.D.

*Medical Officer of Health.*

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BENJAMIN HODGSON, C.S.I. (Lond.), M.S.I.A., M.R.San.I.

*Sanitary Inspector and Cleansing Superintendent.*

Urban District Council of Whitefield.

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# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR, 1938.

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TOWN HALL,  
WHITEFIELD,

JUNE, 1939.

*To the Chairman and Members of the Urban  
District Council of Whitefield.*

Gentlemen,

I have the honour to present my report on the Public Health for the year 1938.

As the details in the body of the report show the year's working has been satisfactory.

The year was marked by the completion of a Slum Clearance order involving 78 houses in the Fountain Street area, Demolition was advancing at the end of the year. Some anxiety was caused in November and December by an outbreak of Diphtheria. The subsequent discovery and isolation of the carriers brought the epidemic to an end.

I am most grateful to you, Gentlemen, and especially you Chairman of the Health Committee for your active interest and encouragement in the work of the Department.

I wish also to show appreciation of the work of Mr. Hodgson, the Sanitary Inspector, whose energy and tact have helped so much to maintain the high standard of Public Health which we have set up. Also I thank Mr. Frank Birtwistle for his valuable services to the Department. He has become indispensable.

I have the honour to be,

Gentlemen,

Your obedient servant,

W. P. FERGUSON,

Medical Officer of Health.

## VITAL STATISTICS.

The deaths recorded numbered 135, equalling a death-rate of 10.9 per 1,000. The births numbered 188 (94 males and 94 females), equalling a birth-rate of 15.2 per 1,000. The deaths of infants under one year of age were 8, equalling a rate of infantile mortality of 42.0 per 1,000 births. Deaths from respiratory diseases, other than phthisis, numbered 2. Phthisis caused 5 deaths, giving a rate of 0.40 per 1,000. During the year the cases of notifiable diseases numbered 94 (excluding 16 of tuberculosis; pulmonary, 11; other forms, 5):—Scarlet fever, 24 cases; diphtheria, 51; pneumonia, 12; erysipelas, 4; puerperal pyrexia, 1; encephalitis lethargica, 2.

The cases of diphtheria patients were promptly treated with antitoxin and removed to hospital where necessary.

12 cases of pneumonia occurred during the year, with 1 death.

The Council have no scheme for the treatment of tuberculosis cases' apart from that of the County Council. 50 beds are reserved for the use of patients from Whitefield at Aitken Sanatorium.

The Council have the joint use of the hospitals of the Bury and District Hospital Board. 40 beds are available for smallpox, and 146 for other infectious diseases, including 50 for patients at Aitken Sanatorium.

21 cases of scarlet fever patients and 48 cases of diphtheria were removed to hospital during the year.

The Ambulance of the Joint Hospital Board is available for the removal to hospital of cases of infectious diseases.

### Maternity and Child Welfare.

A "Welfare" Centre and School Clinic is established and is run entirely by the County Authority at "The Uplands," Whitefield, every Tuesday afternoon. It is well attended by mothers and children from this and surrounding Districts.

Two Certified Midwives are on the County Register, and practise within the District.



### Laboratory Work.

Chemical and bacteriological examinations are made at the Public Health Laboratories, Manchester University. 24 specimens of milk were submitted for bacteriological examination and 20 for biological examination during the year.

### Antitoxic Sera.

A supply of Diphtheria and Tetanus Antitoxin is kept at the residence of the Medical Officer of Health and also in the Health Department.

### Acts of Parliament adopted by the Council.

The Council have adopted the following Acts :—The Small Dwellings Acquisition Act, 1888; The Infectious Disease (Notification) Act, 1889; The Infectious Disease (Prevention) Act, 1890; The Public Health Acts Amendment Act, 1890, Parts II, III, IV, and V; The Housing of the Working Classes Act, 1890, Part III; The Museum & Gymnasium Act, 1891; The Private Street Works Act, 1892; The Public Libraries Act, 1892 and 1893; The Public Health Acts Amendment Act, 1907 :—

Part II—Streets and Buildings. Section 15 to 21 (inclusive) and 24 to 31 (inclusive), subject to the provisions of Section 33.

Part III—Sanitary Provisions. All Part III, except Sec. 48.

Part IV—Infectious Diseases. All Part IV, except Sections 60, 61, and 67.

Part V. Common Lodging Houses. All Part V.

Part VI—All Part VI.

Part VII—Street Traffic. Sections 78, 79, and 81.

Part VIII—Fire Appliances. Sections 88 and 90.

Part IX—Sky Signs. All Part IX.

Part X—Section 95.

Public Health Act, 1925 :—

Part II—Streets and Buildings.

Part III—Sanitary Provisions.

Part IV—Verminous Premises, etc.

Part V—Watercourses, Streams, etc.

Sections 21 and 22 of this Act came into force on the 1st April, 1926, and the rest of the Act on the 1st January, 1926.

**Bye-Laws.**

Bye-laws with respect to the following matters are in force in the District:—Buildings, Offensive Trades and Slaughter Houses.

**SANITARY ADMINISTRATION.****Water.**

The water supply of the District is administered by The Irwell Valley Water Board, which draws its supplies mainly from moorland gathering grounds.

Whitefield supplies are drawn chiefly from Clowbridge Reservoir and from the Ogden Reservoir.

The completion of the relaying of the main from the Gin Hall Reservoir to the Prestwich area has enabled an adjustment to be made in the supply to the Whitefield area, resulting in an increased pressure over the whole District. No difficulties have been experienced in supplying any part of the area during the past twelve months.

I am indebted to Mr. Wyllie, of the Irwell Valley Water Board, for the above information.

One sample was taken from a house tap and was found to be satisfactory.

**Scavenging.**

The Scavenging of the District is satisfactorily carried out.

**Drainage and Sewerage.**

The sewerage of the District is that known as the "combined" system.

In the case of new drainage, where a supply of water is available, the "hydraulic" or "water" test is applied; where this is impracticable, they are tested by smoke.

I see from Mr. Hodgson's Report that the total number of inspections of drains and other works in progress was 162.

**Closet Accommodation.**

The sanitary accommodation of the District at the end of the year was:—Fresh water closets, 3,920, waste water closets, 130 (this system of waste water closets, which was found to give rise to various nuisances, has been discontinued, property owners being advised to substitute fresh water closets instead, where practicable); pail closets, 40; privy middens, 31; privy closets, 54; ashbins, 4,174.



## **Sanitary Inspection of the District.**

Full details under this head are to be found in the Sanitary Inspector's Report on page 17. The total number of inspections for all purposes was 2 024 for the year.

There are no Common Lodging-houses or Registered Houses-let-in-Lodgings within the District.

## **School.**

The sanitary condition and water supply of the Elementary and Higher Schools in the District is on the whole satisfactory.

## **FOOD.**

### **Milk Supply.**

This is produced almost entirely on farms in and about the District, and is generally of good quality and produced under fair conditions. The dairies and cowsheds were visited by the Sanitary Inspector on 122 occasions. There are now in the District 20 milk-shops selling milk in sealed bottles (which prevents contamination after leaving the source).

24 samples of milk were taken and examined for the presence or otherwise of bacteria and extraneous matters, the results of the examinations being set out in page 24.

### **Meat.**

There are four registered and one licensed slaughter-houses in the District. 314 visits have been paid and the following carcasses examined :—Beasts, 119, calves 9; sheep and lambs, 1,869, and pigs, 62. The amount of meat condemned and destroyed as being unfit for human food was 579 lbs; 359 lbs. of this meat was condemned on account of tuberculosis. Very careful supervision is exercised by the Meat Inspector with regard to the prevention of unsound meat being prepared for sale within the District.

The slaughter-houses were, on the whole, satisfactory, and kept clean and limewashed in accordance with the Bye-laws.

There is no public abattoir in the District, inspection of meat being carried out by the Meat Inspector, who is generally present at the time of slaughter.

No legal proceedings were taken, the condemned meat being surrendered voluntarily in every instance.

### Other Foods.

The food supplies of the District received careful attention during the year, foodshops and hawkers' carts being inspected. Bakehouses on 27 occasions. There are 14 bakehouses on the register, one of which is underground. These were kept clean and were limewashed as required by the Factories Act.

### Food Poisoning.

No case of food poisoning was reported.

### Sale of Food and Drugs Act.

45 samples were procured within the District by the County Police (see Mr. Hodgson's Report).

## HOUSING.

76 houses were erected during the year by private enterprise.

Action under the Housing Acts with regard to clearance and reconstruction of unhealthy areas is proceeding.

### Fitness of Houses.

The general standard of fitness of the houses is fair. Exception lies in a number of old houses which are grouped into close and badly arranged areas.

Minor defects in the houses are usually treated by notices served under the Public Health Acts. General defects of an extensive character are treated under Section 9 of the Housing Act of 1936.

### Appendices.

#### 1.—GENERAL.

1. Acreage ... ..	3,463
2. Population (1938). Estimated ... ..	12,290
3. General death-rate ... ..	10.9
4. Death-rate from tuberculosis ... ..	0.40
5. Infantile mortality ... ..	42.0
6. Number of dwelling-houses of all classes... ..	3,981
7. Number of families or separate occupiers (census 1931) ... ..	2,640
8. Rateable value ... ..	£78,028
9. Sum represented by a penny rate ... ..	£302
10. Total rates in £ ... ..	14/-

## HOUSING.

## Statistics.

*Number of Houses erected during the year :—*

(1) Total, including Nos. given separately under (2)	—
(a) By the Local Authority ... ..	—
(b) By other Local Authorities ... ..	—
(c) By other Bodies and Persons ... ..	76
(2) With State assistance under the Housing Acts :—	
(a) By the Local Authority ... ..	—
(b) By other Bodies or Persons ... ..	—

*I.—Inspection of Dwelling-houses during the year :—*

1. (a) Total Number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ..	171
(b) Number of inspections made for the purpose ...	306
2. (a) Number of dwelling-houses, included under sub-head 1 above, which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 ... ..	66
(b) Number of inspections made for the purpose ...	121
3. Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation (including scheduled Areas)	10
4. Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... ..	1

*II.—Remedy of Defects during the year without Service of Formal Notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ..	2
--	---

*III.—Action under Statutory Powers during the year :—**A. Proceedings under Sections 9, 10, and 16, of the Housing Act, 1936 :—*

1. Number of dwelling-houses in respect of which notices were served requiring repairs ... ..	—
2. Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By Owners ... ..	—
(b) By Local Authority in default of Owners	—

## B. Proceedings under Public Health Acts :—

- |  |   |
|--|---|
| 1. Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... .. | 3 |
| 2. Number of dwelling-houses in which defects were remedied after service of formal notices :—               |   |
| (a) By Owners ... ..   | 3 |
| (b) By Local Authority in default of Owners  | — |

## C. Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

- |   |   |
|---|---|
| 1. Number of dwelling-houses in respect of which Demolition Orders were made ... .. | 5 |
| 2. Number of dwelling-houses demolished in pursuance of Demolition Orders ... ..    | — |

## D. Proceedings under Section 12 of the Housing Act, 1936 :—

- |   |   |
|---|---|
| 1. Number of separate tenements or underground rooms in respect of which Closing Orders were made   | — |
| 2. Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... .. | — |

IV. *Housing Act, 1936 : Overcrowding :—*

- |  |   |
|--|---|
| 1. (a) Number of dwellings overcrowded at the end of the year ... ..   | — |
| (b) Number of families dwelling therein ... ..                         | — |
| (c) Number of persons dwelling therein ... ..                          | — |
| 2. Number of new cases of overcrowding reported during the year ... .. | — |
| 3. (a) Number of cases of overcrowding relieved during the year ... .. | — |
| (b) Number of persons concerned in such cases ... ..                   | — |

# Vital Statistics of Whole District during 1938 and previous years.

Year	Popula- tion estimated to middle of each year	Births		Nett Deaths belonging to the District			
		Nett		Under 1 year of age		At all ages	
		No.	Rate	No.	Rate per 1,000 nett Births	No.	Rate
1	2	3	4	5	6	7	8
1928	7714	115	14.9	11	95	93	12.0
1929	8284	133	16.0	8	52	121	14.6
1930	8322	137	16.5	2	14	97	11.9
1931	9500	137	14.0	10	76	137	14.8
1932	9803	156	15.9	11	70	133	13.5
1933	10321	124	12.1	5	40	108	10.5
1934	10690	158	14.7	11	69	120	11.2
1935	11110	163	14.6	6	36	122	10.9
1936	11550	168	14.5	9	53	141	12.2
1937	12040	194	16.1	5	25	138	12.5
1938	12290	188	15.2	8	42	135	10.9

## Births during 1938.

Legitimate : Males, 92; Females, 93; Total, 185

Illegitimate : Males, 2; Females, 1; Total, 3

188

## Birth Rate—Still-births.

Legitimate : Males, 8; Females, 2; Total, 10

Illegitimate : Males, 0; Females, 0; Total, 0

10

Rate per 1,000 Total (Live and Still) Births: 50.

## Deaths during 1938.

Deaths ... .. 135. Males, 65. Females, 70.

Death-rate per 1,000 of the estimated resident population ... 10.9

Deaths from diseases and accidents of Pregnancy and Childbirth :

From Sepsis ... .. —

From Other Causes ... .. 1

Death-rate of Infants under one year of age:—

All Infants per 1,000 Live Births ... .. 42

Legitimate Infants per 1,000 legitimate Live Births ... 43

Illegitimate Infants per 1,000 illegitimate Live Births ... Nil

Deaths from Cancer (all ages) ... .. 21

„ Measles (all ages)... .. —

„ Whooping Cough (all ages) ... .. —

„ Diarrhoea (under two years of age) ... .. 1

	Per 1,000 of Estimated Population			Maternal Mortality Rate			
	Live Birth rate	Crude Death rate	Death- rate from Tuber- culosis of Res- piratory System	Death rate from Cancer	Per 1,000 Live Births	Per 1,000 Total (Live & Still) Births	Rate of Deaths under 1 year per 1,000 Live Births
Mean of 5 years, 1932-36	14.4	11.2	0.43	1.55	4.91	4.72	44
Year 1937 ... ..	16.1	11.4	0.58	1.82	...	...	25
Year 1938 ... ..	15.2	10.9	0.40	1.70	5.31	5.05	42
Increase or decrease in 1937 on :—							
Previous year ... ..	—0.9	—0.5	—0.18	—0.12	+5.31	+5.05	+17
5 yrs average 1932-36	+0.8	—0.3	—0.3	+0.15	+0.40	+0.33	—2

### Causes of Deaths—All Causes.

	M.	F.
	65	70
1. Typhoid and Paratyphoid ... ..	—	—
2. Measles ... ..	—	—
3. Scarlet Fever ... ..	—	—
4. Whooping Cough ... ..	—	—
5. Diphtheria ... ..	2	—
6. Influenza ... ..	—	—
7. Encephalitis Lethargica ... ..	—	2
8. Cerebro-spinal Fever ... ..	—	—
9. Tuberculosis of Respiratory System ... ..	3	2
10. Other Tuberculosis Diseases ... ..	1	—
11. Syphilis ... ..	—	—
12. General Paralysis of the Insane, Tabes Dorsalis ...	—	—
13. Cancer, Malignant Disease ... ..	8	13
14. Diabetes ... ..	—	1
15. Cerebral Hæmorrhage, etc. ... ..	6	6
16. Heart Disease ... ..	19	21
17. Aneurysm ... ..	—	—
18. Other Circulatory Diseases ... ..	7	4



	M.	F.
19. Bronchitis ... ..	4	3
20. Pneumonia (all forms) ... ..	1	—
21. Other Respiratory Diseases ... ..	1	—
22. Peptic Ulcer ... ..	—	—
23. Diarrhoea, etc. (under two years) ... ..	—	1
24. Appendicitis ... ..	—	—
25. Cirrhosis of Liver ... ..	—	—
26. Other Diseases of Liver, etc. ... ..	—	1
27. Other Digestive Diseases ... ..	1	2
28. Acute and Chronic Nephritis ... ..	2	2
29. Puerperal Sepsis ... ..	—	—
30. Other Puerperal Causes ... ..	—	1
31. Congenital Debility, Premature Birth, Malformation ... ..	1	4
32. Senility ... ..	2	5
33. Suicide ... ..	1	1
34. Other Violence ... ..	3	—
35. Other Defined Diseases ... ..	3	1
36. Causes ill-defined or unknown ... ..	—	—
Special Causes (included in No. 35 above):—		
Small-pox ... ..	—	—
Poliomyelitis ... ..	—	—
Polioencephalitis ... ..	—	—
Deaths of Infants under one year:—		
Total ... ..	3	5
Legitimate ... ..	3	5
Illegitimate ... ..	—	—
Live Births:—		
Total ... ..	94	94
Legitimate ... ..	92	93
Illegitimate ... ..	2	1
Still births:—		
Total ... ..	8	2
Legitimate ... ..	8	2
Illegitimate ... ..	—	—

# SANITARY CIRCUMSTANCES OF THE URBAN DISTRICT of WHITEFIELD

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TOWN HALL,

WHITEFIELD,

June, 1939.

*To the Chairman and Members of the Urban  
District Council of Whitefield.*

Gentlemen,

I wish to present for your consideration my Tenth Annual Report on the Sanitary Conditions of the District.

All aspects of the work of the Department have shown considerable activity during the year, this has been particularly noticeable in matters connected with Housing and Food Supply, to which special attention has been given.

Every effort has been made during the year to bring to the notice of the public what is required to promote health. In November, with the kind assistance of the County Council, an illustrated lecture was given at the Mayfair Cinema, at which approximately 850 school children and 100 adults attended. The entertainment comprised a lecture by the County Lecturer and three films on Health and Cleanliness and proved of great interest to the audience.

I have made every endeavour in compiling this Report to give full details in as concise a manner as possible of all work done by the Health Department Staff in the interest of the good health of the District.

May I express to the Chairman and Members of the Health Committee, the Medical Officer of Health, Clerk to the Council, Surveyor, and Staff in general, my appreciation of the valued assistance and co-operation shown to me during the year.

I am, Mr. Chairman and Gentlemen,

Your obedient servant.

B. HODGSON,

*Sanitary Inspector and Cleansing Superintendent.*

## SUMMARY OF INSPECTIONS.

Complaints Investigated ... ..	75
Bakehouses ... ..	27
Dairies, Cowsheds, and Milkshops ... ..	122
Slaughter-houses, Food Shops, Street Vendors, etc. ... ..	417
Factories, Workshops, and Outworkers ... ..	39
Factories <i>re</i> Smoke ... ..	10
Smoke Observations ... ..	12
Dwelling-houses—Public Health Acts ... ..	105
„ —Housing Acts ... ..	66
„ —Housing Act, 1936 ... ..	32
„ —Council Houses ... ..	94
„ —Infectious Diseases ... ..	83
„ —Re-visits—Public Health Acts ... ..	84
„ „ —Housing Acts ... ..	51
„ „ —Housing Act, 1936 ... ..	8
„ „ —Infectious Diseases ... ..	8
„ „ —Council Houses ... ..	3
Drains—New Buildings ... ..	17
„ —Old Buildings ... ..	145
Stables and Piggeries ... ..	7
Builders and Owners Interviewed ... ..	56
Rats & Mice Act... ..	49
Work in Progress—Public Health Acts ... ..	18
„ —Housing Acts ... ..	29
Cleansing Visits ... ..	158
Miscellaneous ... ..	192
Petroleum Acts ... ..	11
Ice Cream Premises ... ..	5
Shops Act ... ..	87
Fried Fish Shops ... ..	3
Farmers and Dairy-men Interviewed ... ..	5
Houses Disinfected ... ..	6
<hr/>	
Total Number of Inspections ...	2024
<hr/>	

**SANITARY IMPROVEMENTS** Effected under the Housing and  
Public Health Acts for the past Five Years.

**INTERIOR OF HOUSES.**

	1934	1935	1936	1937	1938
Ceilings and Walls re-plastered... ..	11	67	51	22	10
Floors renewed or repaired... ..	4	9	21	11	4
Dampness abated ... ..	7	26	21	19	11
Windows renewed or repaired ... ..	1	11	14	20	18
New Sinks fixed ... ..	12	25	34	22	—
Sink Waste Pipes trapped ... ..	10	25	34	19	—
Sink Waste Pipes renewed or repaired	2	5	1	1	3
Sink re-set ... ..	3	—	—	—	—
Stairs Repaired ... ..	—	5	—	—	—
Ventilation improved ... ..	14	20	13	17	5
Lighting Improved ... ..	2	—	8	—	—
Fire Ranges repaired ... ..	1	1	7	4	4
Doors renewed or repaired ... ..	—	—	2	—	2
Hand-rails fixed ... ..	4	19	10	5	1
Food Stores provided ... ..	—	—	3	—	6
Washing Boilers renewed or repaired	1	—	1	—	—
House provided with an efficient					
Damp-proof Course ... ..	1	2	4	6	2
Houses cleansed ... ..	1	2	—	5	—
Sky-lights repaired ... ..	1	3	—	—	—
Brickwork repaired ... ..	4	5	1	—	—
Adequate Water Supply provided ...	4	1	—	1	—
Windows made to open ... ..	11	16	8	—	—
Skirting Boards renewed ... ..	—	—	—	—	1
	94	242	233	152	67

### EXTERIOR OF HOUSES.

	1934	1935	1936	1937	1938
Roofs repaired ... ..	3	2	9	10	1
Walls repointed or rendered ... ..	3	7	24	8	2
Chimneys repaired or re-built ... ..	—	2	10	5	—
Eaves Gutters renewed or repaired ...	12	6	10	4	2
Yards repaired or re-paved ... ..	14	8	15	12	1
Rain-water Pipes renewed or repaired	2	14	2	2	2
„ disconnected from drain	12	17	50	—	1
Brickwork repaired '... ..	1	1	11	—	2
Walls re-built ... ..	3	3	—	—	—
Yard Gates renewed ... ..	1	—	—	—	—
Wash-house Structures re-built... ..	—	1	1	—	—
New Door-steps fixed ... ..	1	1	—	—	—
	52	62	132	41	11

### DRAINAGE.

	1934	1935	1936	1937	1938
Drains cleansed ... ..	14	13	14	13	9
Drains repaired ... ..	8	8	12	4	2
Drains reconstructed ... ..	12	5	1	1	4
New Glazed Gullies fixed ... ..	16	20	52	1	1
Inspection Chambers provided ... ..	3	—	—	—	—
„ repaired ... ..	2	1	—	—	—
Intercepting Traps fixed ... ..	2	—	—	—	—
Ventilation Shafts fixed ... ..	2	—	—	—	1
„ repaired ... ..	1	1	3	—	—
Rain-water Pipes disconnected from Soil Pipes ... ..	2	—	—	—	1
Sink Water Pipes disconnected from Drains ... ..	2	—	—	—	—
Fresh-air Inlets renewed or repaired...	3	1	—	2	—
	67	49	82	21	18

## SANITARY CONVENIENCES.

	1934	1935	1936	1937	1938
W.C. Fittings renewed or repaired ...	2	1	3	3	1
W.C. Structures repaired or re-built	1	2	3	1	1
W.C.'s provided in lieu of Privy Closets	7	—	—	—	—
,,            Pail Closets	—	—	2	—	—
,,            Waste-water Closets	2	3	1	—	—
Rochdale Pails renewed ... ..	—	—	—	—	1
Pail Closets provided in lieu of Privy Closets ... ..	2	2	3	—	—
W.C.'s cleansed ... ..	—	1	—	1	—
Additional Closets provided ... ..	3	—	6	—	—
Waste-water Closets repaired ... ..	—	4	1	1	—
W.C. Pedestals renewed ... ..	1	—	5	—	3
W.C. Service Pipes repaired ... ..	—	—	5	—	1
Additional Pail Closets provided ...	—	—	2	—	—
	18	13	31	6	.7

## ACCOMMODATION FOR HOUSE REFUSE.

	1934	1935	1936	1937	1938
Dust Bins renewed ... ..	67	77	50	72	204
Dust Bins provided in lieu of Ashpits	2	1	1	—	—
,,            Privy Middens	9	—	4	—	—
Disused Ashpits abolished ... ..	1	—	—	—	—
Open Ashpits abolished ... ..	2	—	—	—	—
Sufficient Accommodation provided ...	2	2	1	2	—
	83	80	56	74	204

## MISCELLANEOUS.

	1934	1935	1936	1937	1938
Accumulations removed ... ..	9	2	2	2	3
Stables cleansed ... ..	4	—	—	—	—
Nuisance from Keeping of Animals ...	1	—	—	—	—
Cesspools cleansed ... ..	5	1	—	—	—
Nuisance from Stagnant Pools ... ..	—	—	—	1	—
Premises Freed from Rats ... ..	—	5	2	—	—
	19	8	4	3	3



## ABATEMENT OF NUISANCES.

To secure the Abatement of Nuisances, the following notices were served :—

Preliminary Notices ... ..	111
Statutory Notices—Public Health Act ... ..	4
Number of Notices served under Section 127, Housing Act, 1925 ... ..	21

## HOUSING OF THE WORKING CLASSES.

During the year much time has been devoted to the essential duties under the Housing Acts.

In consequence of inspections carried out, 10 representations were made by the Medical Officer of Health under Section 11 of the Housing Act, 1936; as a result, one owner appeared before the Public Health Committee in respect of six houses and submitted a specification of the work he was prepared to carry out for the purpose of making the property habitable. The proposals were accepted by the Council and the work is in progress.

Demolition Orders were made in five instances.

### **Fountain Street, Holland Street and Top o'th Fields Clearance Area.**

In the last report it was stated that representation had been made by the Medical Officer of Health in accordance with Section 154 of the Housing Act, 1936, relative to 79 houses.

In January, an Inquiry was held, as a result of which the Order was confirmed, with the exception of five houses, which had previously been dealt with as individual unfit houses and the Demolition Order suspended. In two instances certificates were granted by the Ministry of Health for well maintained houses in accordance with the provisions of the Housing Act, 1936.

### **Housing Act, 1936.**

Houses Inspected and Recorded ... ..	66
Representation under Section 11 of the Housing Act, 1936 ... ..	10
Owners Interviewed by Committee ... ..	1
Demolition Orders made ... ..	5
Demolition Notices served ... ..	5
Houses Repaired following Informal Notices	3
Houses Reconditioned in accordance with proposal submitted to Committee ... ..	—
Certificates Granted under Section 51 of the Housing Act, 1936 ... ..	9

## DISINFESTATION AND ERADICATION OF BED BUGS.

The following is a summary of the work which has been carried out during the year :—

1. (a) No. of houses found to be infested :—

Council Houses	...	...	2
----------------	-----	-----	---

Other Houses	...	...	2
--------------	-----	-----	---

- (b) No. of Houses Disinfested :—

Council Houses	...	...	2
----------------	-----	-----	---

Other Houses	...	...	2
--------------	-----	-----	---

2. Where houses are found to be infested with vermin, the work of disinfestation is generally carried out by a contractor. The two Council houses were treated with "Zaldecide", and the work was carried out by the Council's staff, whilst the privately owned houses were treated by a contractor.

3. (a) On transfer of tenants from condemned houses to Council property, disinfestation of household effects is undertaken by contract.

- (b) In the case of tenants removing to Council property from houses other than condemned, inspection is made of their present house if deemed necessary.

4. The work of disinfestation is carried out by contract. The present contractors to the Council are Messrs. Blunt & Son, of Heaton Moor.

5. The measures taken to prevent infestation or re-infestation of property are :—

- (a) By carrying out frequent inspection of houses.

- (b) Education of tenants as to the possible dangers arising from the purchase of second-hand clothing and furniture.

## INSPECTION AND SUPERVISION OF THE FOOD SUPPLY

The duties appertaining to the supervision of the food supply have received careful attention throughout the year.

It will be seen from the tabulated list of inspections that of the 2,045 inspections made, 573 were to premises where food was prepared or sold.

## MILK SUPPLY.

The duties appertaining to the supervision of the production and distribution of this important article of diet have been assiduously carried out during the year, a large number of inspections having been carried out during early morning milking.

The number of producers on the Accredited Roll of the County Council at the close of the year was three. I am unable to account for this low figure as I am convinced that, with reasonable outlay, there is no reason why other producers should not be receiving the benefits of the scheme.

During the year 24 samples of milk were taken and submitted for bacteriological examination and 20 for biological examination, in addition to the aforementioned, the following samples were taken on behalf of the County Council and submitted for the Methylene Blue Test; 8 were taken and submitted for biological examination whilst 9 samples were taken from 73 cows at two farms and submitted for the Cytological Examination.

It is pleasing to record that the farmers generally are exerting every effort to produce clean milk, as is evidenced by their willingness to co-operate with the Department in making such improvements in their premises as is considered necessary.

It will be observed from the table of samples taken that the results are, on the whole, satisfactory.

Improvements have been effected at the following farms during the year:—

OUTWOOD GATE FARM.—New dairy erected. Steam Sterilising Plant installed. Rear internal wall of large shippon cement rendered.

PARK HOUSE FARM.—Tubular boskins fitted. New Drainage System provided.

LOWER HEAPS FARM.—Roof of one Shippon raised.

OLD HALL FARM.—New 29 Stall Shippon erected. Rear internal walls of five shippens and internal walls of dairy and washing room cement rendered. Additional light provided to 5 Shippens.

THURSTONFORD FARM.—Additional light provided to 2 Shippens.

Table of Milk Samples Taken.

Date	Ref. No.	Bacterial Count	Bacillus Coli present in			Whether produced within or outside the district
			1 CC.	0.1 CC.	0.01 CC.	
5/8/38	18/BOT	NONE	NONE	NONE	NONE	<i>Sterilised</i>
22/9/38	22/65	2,900	NONE	NONE	NONE	Outside
21/4/38	3/241	3,500	NONE	NONE	NONE	Within
30/6/38	11/BOT	6,700	NONE	NONE	NONE	Within
22/9/38	21/225	17,600	NONE	NONE	NONE	Within
30/6/38	10/241	36,000	NONE	NONE	NONE	Within
23/6/38	7/BOT	103,000	NONE	NONE	NONE	Outside
5/8/38	15/BOT	5,450	YES	NONE	NONE	Outside
21/4/38	2/BOT	8,700	YES	NONE	NONE	Within
2/11/38	23/23	4,400	YES	In 1 of 3 tubes	NONE	Within
23/11/38	24/BOT	14,950	YES	In 1 of 3 tubes	NONE	Within
23/6/38	8/318	12,300	YES	In 2 of 3 tubes	NONE	Within
23/6/38	9/BOT	67,000	YES	In 2 of 3 tubes	NONE	<i>Pasteurised</i> Outside
19/9/38	19/25	110,000	YES	In each of 3 tubes	NONE	Within
5/8/38	17/BOT	25,500	YES	In each of 3 tubes	In 1 of 3 tubes	Within
23/6/38	6/252	30,000	YES	In each of 3 tubes	In 1 of 3 tubes	Outside
21/4/38	1/102	290,000	YES	In each of 3 tubes	In 2 of 3 tubes	Within
30/6/38	12/BOT	400,000	YES	In each of 3 tubes	In 2 of 3 tubes	Within
5/8/38	16/BOT	7,000	YES	In each of 3 tubes	In each of 3 tubes	Outside
5/8/38	14/BOT	46,000	YES	In each of 3 tubes	In each of 3 tubes	Outside
19/9/38	20/239	54,000	YES	In each of 3 tubes	In each of 3 tubes	Outside
21/4/38	5/265	91,000	YES	In each of 3 tubes	In each of 3 tubes	Outside
30/6/38	13/62	880,000	YES	In each of 3 tubes	In each of 3 tubes	Outside
21/4/38	4/BOT	1,770,000	YES	In each of 3 tubes	In each of 3 tubes	Within

In the case where samples did not come up to the standard and were produced within the district, the farmer was notified and visits paid to the farm during the hours of milking, when every assistance was given by your Inspector with a view to the farmer improving his standard.

Where samples were produced outside the district, a copy of the Bacteriologist's Report was forwarded to the Local Authority concerned for their attention.

### Samples Taken on Behalf of the County Council from Designated Farms.

Ref. No.	Date	Methylene Blue Test. Hours before Discolourisation or satisfactory	Coliform Test.	
			No. of tubes in which Coliform Bacillus present	Satisfactory
LCC1/34	21/4/38	5½ hours	0	S
LCC2/25	21/4/38	5½ hours	0	S
LCC3/297	23/6/38	4 hours	0	S
LCC4	23/6/38	4½ hours	0	S
LCC5	23/6/38	4½ hours	1	S
LCC6	22/9/38	S	0	S
LCC7	22/9/38	1½ hours	0	S
LCC8	22/9/38	4 hours	0	S
LCC9	2/11/38	S	0	S

### Milk (Special Designation) Orders, 1936 and 1938.

During the year the following licences have been granted under the above Order :—

Dealer's Licences to sell Tuberculin Tested Milk ...	1
„ „ Accredited Milk ... ..	—
„ „ Pasteurised Milk ... ..	1
Supplementary Licences to sell Tuberculin Tested Milk	2
„ „ Accredited Milk	2
„ „ Pasteurised Milk ...	9

The following table shows the state of the Register on December 31st, 1938 :—

No. of Milk Producers on the Register ... ..	18
„ Producers who are Retailers ... ..	15
„ Dairymen who are Residents in the District ...	7
„ „ „ outside the District	23
„ Shopkeepers who are registered for the Sale of Bottled Milk ... ..	20



## FOOD AND DRUGS ACTS.

The duties under the above Acts are carried out by the County Police, and I am indebted to Superintendent Watkinson for the following summary of work carried out in this District :—

### SAMPLES TAKEN.

Milk ... ..	25	Pepper ... ..	1
Cocoa ... ..	1	Self Raising Flour ...	1
Epsom Salts ... ..	1	Salt ... ..	1
Mustard ... ..	1	Jelly ... ..	2
Peas ... ..	1	Boiled Sweets ... ..	2
Olive Oil ... ..	1	Rice ... ..	1
Custard Powder ... ..	1	Sage ... ..	1
Lard ... ..	2	Glycerine ... ..	1
Tea ... ..	1	Treacle ... ..	1

Upon analysis all the above samples were found to be genuine.

## PUBLIC HEALTH ACTS.

### PUBLIC HEALTH (MEAT) REGULATIONS, 1924.

#### SLAUGHTER OF ANIMALS ACT, 1933.

Every attention has been given to this very important section of the Council's activities during the year; all carcasses and organs being inspected during or immediately after slaughter.

The quality of meat sold in the area is generally of a high standard, and, as several purveyors obtain their supplies from the markets of Bury and Manchester, special attention is given to all meat brought into the district.

Where condemnation was necessary, no difficulty was experienced in obtaining surrender of the meat concerned, my opinion at all times being accepted.

#### **Slaughter-houses.**

There is no public slaughter-house in the district. There are four registered and one licenced slaughter-houses. These premises, though not of modern type, have been maintained in a satisfactory condition.



### Slaughter of Animals Act, 1933.

The number of persons licensed in accordance with the above Act is 19.

### Retail Meat Shops.

Regular inspections were made during the year of all butchers' premises, and conditions, generally, were found to be satisfactory.

The number of butchers' shops in the district at the close of the year was 15.

### Carcases Inspected and Condemned.

	Cattle (excluding Cows)	Cows	Calves	Sheep and Lambs	Pigs
Number Killed (if known) ... ..	90	29	9	1869	62
Number Inspected ... ..	90	29	9	1869	62
All Diseases except Tuberculosis :					
Whole Carcases condemned ... ..	—	—	—	—	—
Carcases of which some part or organ was condemned ... ..	13	4	—	1	8
Percentage of the number inspected affected with disease other than Tuberculosis ... ..	13.44	13.79		0.05	12.9
Tuberculosis Only :					
Whole Carcases Condemned ... ..	—	—	—	—	—
Carcases of which some part or organ was condemned ... ..	9	7	—	—	1
Percentage of the number inspected affected with Tuberculosis ... ..	10	24.14	—	—	1.61

The following Tables show a detailed statement of meat condemned and voluntarily surrendered.

	Beasts	Sheep	Pigs	Calves	Total
Liver ... ..	11	—	5	—	16
Lungs ... ..	18	1	3	—	22
Hearts ... ..	1	—	—	—	1
Heads ... ..	2	—	1	—	3
Briskets ... ..	2	—	—	—	2
Ribs ... ..	2	—	—	—	2
Spleen ... ..	1	—	—	—	1
Total ...	37	1	9	—	47

1938	Cirr- hosis	Tuber- culosis	Fib- rosis	Cysts	Caver- nous Angioma	Rup- ture	Conges- tion	Total
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
January ... ..	16	40	12	—	—	—	—	68
February ... ..	23	—	—	12	—	—	—	35
March ... ..	—	93	—	—	—	—	—	93
April ... ..	7	12	—	—	—	—	—	19
May ... ..	28	—	—	24	—	—	—	52
June ... ..	12	134	—	—	—	—	—	146
July ... ..	—	10	—	—	—	—	—	10
August ... ..	12	12	—	—	—	—	—	24
September ... ..	—	—	—	—	—	—	—	—
October ... ..	—	32	—	—	16	—	—	48
November ... ..	12	26	14	—	—	4	12	68
December ... ..	8	—	—	—	—	—	8	16
Total ...	118	359	26	36	16	4	20	579

Total : 5 cwts. 19 lbs.

### FACTORIES ACT, 1937.

The coming into operation of the above Act placed further responsibilities on Local Authorities.

Your Sanitary Inspector was by resolution appointed the responsible Officer in accordance with the provisions of Section 34 of the Act, which deals with the means of escape in case of fire.

Much time was devoted to the inspection of factories, these inspections were carried out in co-operation with one of H.M. Inspectors' of Factories and the Superintendent of the Fire Brigade.

In several instances it was found necessary to ask for certain alterations to be carried out so as to comply with the requirements of the Act.

It is gratifying to record, that where alterations have been

necessary, the owners concerned have willingly agreed to the suggestions placed before them.

### **Bakehouses.**

There are 14 bakehouses on the register, all of which have been frequently inspected and satisfactorily maintained.

### **Factories with Mechanical Power.**

One complaint was received from H.M. Inspectors of Factories during the year. Such complaint was attended to immediately the owner's attention was called to it by your Inspector.

## **1. INSPECTIONS** **including Inspections made by Sanitary Inspectors.**

	Inspections	Number of Written Notices	Occupiers Prosecuted
1	2	3	4
Factories with mechanical power ... ..	61	1	NONE
Factories without mechanical power ...	5	NONE	NONE
Other premises under the Act (including works of building and engineering construction but not including out- workers' premises) ... ..			
Electrical Stations should be reckoned as factories.			
Total ...	66	1	NONE

## 2. DEFECTS FOUND.

Particulars	Number of Defects			Number of defects in respect of which Prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	
1	2	3	4	5
Want of cleanliness (S.1) ...	NONE	—	—	—
Overcrowding (S.2) ... ..	NONE	—	—	—
Unreasonable temperature (S.3) ... ..	NONE	—	—	—
Inadequate ventilation (S.4)	NONE	—	—	—
Ineffective drainage of floors (S.6) ... ..	NONE	—	—	—
Sanitary Convenience (S.7) :				
Insufficient ... ..	NONE	—	—	—
Unsuitable or defective	12	12	—	—
Not separate for sexes	NONE	NONE	NONE	—
Other offences ... ..	NONE	NONE	NONE	—
(not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, (1921, and re-enacted in the Third Schedule to the Factories Act, 1937) ...				
Total ...	12	12	NONE	NONE

### **SHOPS ACT, 1934.**

It will be seen from the tabulated statement of inspections that 87 inspections were carried out under the above Act. One Exemption Certificate was granted in relation to Sanitary Accommodation.

It was found necessary in four instances to ask for provision to be made for the maintaining of temperature; this was provided by the installation of electric radiators.

### **SWIMMING BATHS.**

There are no swimming baths in the District.

### **PETROL LICENCES.**

During the year 18 licences have been renewed.

### **RATS AND MICE (DESTRUCT) ACT, 1919.**

The duties under the above Act have received the close attention of the Department. 49 inspections were carried out following the receipts of complaints. As a result of such inspections appropriate bait was laid with satisfactory results.

### **ATMOSPHERIC POLLUTION.**

A keen watch has at all times been maintained on the factory chimneys of the District.

Twelve half-hour observations were taken of the various works chimneys during the year, and in no case was the emissions of such a character as to necessitate action being taken.

### **SANITARY ACCOMMODATION.**

The sanitary accommodation in the district is practically all on the water-carriage system, with the exception of the houses in the added areas of Outwood and Unsworth.

The general system of sanitation in the Hillock area is far from ideal, there being no proper system of drainage, and the majority of privy middens are of the open type. This latter feature necessitates more frequent attention by the cleansing staff during the summer months so as to minimise the fly menace. In one or two instances, owners of property have substituted pail closets in lieu of the privy closets. I feel that the general question of sanitation in Hillock should receive serious consideration in the near future.

The following table gives details of the sanitary accommodation in the district on December 31st, 1938 :—

Type	No. on Dec. 31, 1933	No. on Dec. 31, 1934	No. on Dec. 31, 1935	No. on Dec. 31, 1936	No. on Dec. 31, 1937	No. on Dec. 31, 1938
Fresh Water Closets	3154	3381	3540	3755	3829	3920
Waste Water Closets...	147	145	142	139	136	130
Privy Closets ... ..	66	59	57	54	54	54
Privy Middens ... ..	45	36	34	31	31	31
Dry Ashpits ... ..	7	6	5	3	3	3
Pail Closets ... ..	43	45	45	48	48	40
Dust Bins ... ..	2960	3358	3501	3653	4098	4174

### PUBLIC CLEANSING SERVICE.

The subject matter of this section of the Report deals with the year ending March 31st, 1939, as distinct from the rest of the Report, which is for the year ending December 31st, 1938.

#### Refuse Collection.

The collection of house refuse is carried out by direct labour. The permanent staff consist of five loaders and one driver. The staff are provided with two suits of overalls each year and gloves as required.

During the period under review, every effort was made to maintain an efficient service. It will be observed from the table of work carried out that there has been a considerable increase in the number of bins emptied as compared with last year, this increase being due to the adoption of a vehicle with a larger cubic capacity. Notwithstanding the increased work carried out, a saving of approximately £40 on the estimate was achieved.

I am convinced that it is essential that this important service should be kept in the public eye, as it is to them we look for assistance by means of reduced quantities of refuse to enable the service to be kept fully efficient.

#### Trade Refuse.

In accordance with the provisions of Section 73 of the Public Health Act, 1936, the Council inaugurated a scheme for the removal of trade refuse. The first bin from all shop premises is emptied free of cost and a charge of 3d. per bin is made for all additional bins emptied.



Shopkeepers not wishing to participate in the scheme were given the privilege of depositing their refuse at the tip between the hours of 8-30 a.m. and 4 p.m. on Monday to Friday. Many traders took advantage of this privilege, which proved of great assistance to the Department by bringing about a reduction in this class of refuse to be collected.

### Refuse Disposal.

There has been no change in the method of refuse disposal from that of last year.

**Table giving Details of Work Done with Costs.**

	1938-39	1937-38	1936-37	1935-36	1934-35
Dust Bins Emptied ...	200,662	153,418	135,189	138,880	145,583
Pails „ ...	1,999	1,659	1,626	1,716	1,923
Ashpits „ ...	12	6	4	11	27
Privy Middens „ ...	104	93	139	165	147

No. of Loads removed :

Wet—19. Dry—1,371.

### Estimated Weight and Unit Costs.

	Mechanical Transport	
	House Refuse	Night Soil
	T. C. Q.	
Estimated weight collected ... ..	4103 0 0	—
Average weight per load ... ..	2 18 3	—
	s. d.	s. d.
Average cost per load ... ..	17 7.95	28 0.21
„ ton ... ..	5 10.820	—
„ Bin ... ..	1.4	—
„ privy midden ... ..	—	5 1.43

### Disposal.

Average Cost per Load ... 3s. 11.03d.

„ Ton ... 1s. 3.93d.

1. Population ... .. 12,290
2. Estimated weight per 1,000 population  
per day in cwts ... .. 17.9
3. Rateable Value ... .. £78,028
4. Product of a Penny Rate ... .. £302
5. Total Rates in the £ ... .. 14/-
6. Number of Premises ... .. 3980
7. Average Length of Haul ... .. 1 Mile

## Details of Cleansing Costs for year ending 31st March, 1939.

	Actual Expenditure		1938-39		1937-38		1936-37		1935-36		1934-35		1933-34	
	Dry Refuse	Night-soil	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Allocation														
Collection,														
Mechanical Transport—														
Wages ... ..	717 2 2	14 2 7	731	4 9	607 12 10	548 0 4	522 7 6	497 5 6	416 7 9					
Motor ... ..	474 14 0	12 9 9	487	3 9	493 2 6	481 13 4	473 9 0	496 2 7	438 2 4					
Motor Transport (Hired)	9 18 0		9 18 0											
Overalls and Gloves ...	9 18 10		9 18 10											
Disinfectant ... ..	2 5 0		2 5 0											
Printing ... ..	12 6		12 6											
Materials ... ..	19 7		19 7											
Hire of S.D. Freighter														
Removing Wreaths... ..														
	1215 10 1	26 12 4	1242	2 5	1121 8 10	1049 2 10	1013 3 0	1010 9 0	860 10 7					
Trade Refuse ... ..	4 15 0		4 15 0											
Net Cost ...	1210 15 1	26 12 4	1237	7 5	1121 8 10	1049 2 10	1013 3 0	1010 9 0	860 10 7					
Collection,														
Horse Transport—														
Removal of Wreaths ...	5 13 6		5 13 6											
Wages ... ..					15 19 2	5 6 4	10 14 0	28 9 8	2 0 6					
Cart (Hired) ... ..					11 5 0	8 1 9	26 15 6	18 10 0	5 16 11					
Cart (Own) ... ..					4 5 0			12 7 6						
Net Cost ...	5 13 6		5 13 6		31 9 2	13 8 1	37 9 6	59 7 2	7 17 5					

## Details of Cleansing Costs for year ending 31st March, 1939.

	Actual Expenditure			1938-39 Total	1937-38 Total	1936-37 Total	1935-36 Total	1934-35 Total	1933-34 Total
	Dry	Refuse	Night-soil						
Allocation	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<b>Disposal—</b>									
Wages ... ..	223 4 10		223 4 10	218 6 6	161 8 1	150 14 4	137 10 4	133 14 5	
Motor Transport (Own)	14 7		14 7	8 17 1	12 3 9	4 10 8	7 9 0	3 5 8	
Motor Transport (Hired)	6 2 0		6 2 0						
Overalls and Gloves ...	1 14 8		1 14 8	3 19 8	1 3 2	1 1 2	1 2 6		
Cabin ... ..	4 2 1		4 2 1			19 8 2			
Loan Charges & Interest	50 12 2		50 12 2		1 3 2				
Jubilee ... ..	10 5 0		10 5 0						
Netting ... ..	5 7 4		5 7 4	5 5 0		5 7 0		1 18 10	
Materials ... ..	1 0 11		1 0 11	1 12 8	3 5 1	1 8 1	1 7 1	2 7 10	
Thermometer ... ..	2 5 0		2 5 0	1 1 3	1 1 3				
Horse Transport (Own)				1 17 6					
Horse Transport (Hired)									
Rents, Rates and Taxes					4 4 1	8 4 6	8 4 6	8 16 10	
Disinfectant ... ..							3 1 0		
Printing ... ..							1 19 8		
Road Making Material									
Coal and Coke ... ..				2 11	1 5 0	3 0 0		14 2	
Trees ... ..				3 0 0		12 3			
Fencing ... ..				13 16 11					
Receipts—Sale of Scrap, etc.	305 8 7			257 19 6	185 13 7	194 6 2	160 14 1	150 17 9	
	33 0 7			27 3 6	7 12 1	5 2 2	5 1 10	3 2 6	
Net Cost ...	272 8 0			230 16 0	178 1 6	189 4 0	155 12 3	147 15 3	
<b>Gross Total—</b>									
Collection and Disposal	1526 12 2	26 12 4	1553 4 6	1410 17 6	1248 4 6	1244 18 8	1230 10 3	1019 5 9	
Receipts ... ..	37 15 7		37 15 7	27 3 6	7 12 1	5 2 2	5 1 10	3 2 6	
	1488 16 7	26 12 4	1515 8 11	1383 14 0	1240 12 5	1239 16 6	1225 8 5	1016 3 3	











